

EXHIBIT E12

IN THE CIRCUIT COURT OF THE CITY OF ST. LOUIS
STATE OF MISSOURI

TRACEY YVETTE YOUNG, et al.,
Plaintiffs,
vs.
JOHNSON & JOHNSON; JOHNSON &
JOHNSON CONSUMER COMPANIES,
INC.; and IMERYS TALC
AMERICA, INC., f/k/a
LUZENAC AMERICA, INC.,
Defendants.

Case No.
1522-CC09728-02

VIDEO-RECORDED DEPOSITION OF
WILLIAM E. LONGO, PhD

January 25, 2019
9:24 a.m.

11555 Medlock Bridge Road
Suite 100
Johns Creek, Georgia

Debra R. Luther, RMR, CRR, CCR-B-881

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(Original Exhibits 1 through 8 have been attached to the original transcript.)

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13:15:56 **1** see it better, better resolution in time that's

13:16:02 **2** being done to fully characterize as best you can

13:16:06 **3** the samples you're looking at, using the

13:16:12 **4** standard R-93 method without going to these

13:16:17 **5** extra lengths, you're not -- in my opinion, very

13:16:21 **6** rarely are you going to detect something.

13:16:29 **7** **Q.** (By Mr. Ewald) Without having conducted

13:16:30 **8** PLM testing on cosmetic talc under the, I'll use your

13:16:40 **9** term, standard R-93 way, how can you reach the

13:16:44 **10** conclusion that asbestos would not be found by the

13:16:50 **11** analyst?

13:16:52 **12** **A.** **I'm not sure I've seen very many positive**

13:16:57 **13** **PLMs from the past, and just going on my experience**

13:17:01 **14** **on how analysts typically approach these types of**

13:17:04 **15** **analyses with asbestos-added products where they may**

13:17:07 **16** **spend 10 minutes verifying and determining the**

13:17:11 **17** **asbestos content in those samples because of the**

13:17:14 **18** **amount present -- and that's my opinion. If you're**

13:17:18 **19** **not doing this level of PLM analysis, you're not --**

13:17:26 **20** **your chances of detecting something are very slim.**

13:17:29 **21** **Q.** For any of the historical testing of

13:17:31 **22** Johnson & Johnson talc products, do you have any

13:17:36 **23** evidence as to the level of analysis done by an

13:17:44 **24** analyst on any sample?

13:17:46 **25** **A.** **I wasn't present when Johnson & Johnson**

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13:17:48 **1** **did their analysis or had their consultants do the**

13:17:56 **2** **analysis. I'm just basing that on my experience**

13:17:59 **3** **running one of these labs for all these years on what**

13:18:02 **4** **is typically routine. Why they're missing it in the**

13:18:06 **5** **past, and if -- you know, I wasn't there.**

13:18:09 **6** **All I can say is, one, forget -- you know,**

13:18:12 **7** **the Blount PLM, of course, is doing the heavy liquid**

13:18:15 **8** **density concentration which was not used; we**

13:18:18 **9** **understand that. And, two, a thorough examination**

13:18:22 **10** **using the ISO 22262-1 requires that the analyst spend**

13:18:28 **11** **whatever time needed until he feels comfortable that**

13:18:32 **12** **he has looked at every millimeter of area for these**

13:18:35 **13** **three sample preps and has the high-resolution**

13:18:40 **14** **capability of being able to individually inspect it**

13:18:44 **15** **not in the microscope but up on a monitor as they go**

13:18:48 **16** **through the identification.**

13:18:50 **17** **And I have no -- I don't know if they just**

13:18:54 **18** **looked at it under normal -- one polar, two polars,**

13:18:59 **19** **versus analyzing the entire sample under dispersion**

13:19:03 **20** **staining.**

13:19:05 **21** **Other than that, why these materials were**

13:19:08 **22** **missed in the past, I don't know.**

13:19:19 **23** **Q.** So is it your opinion that the ISO 22262-1

13:19:26 **24** method itself requires a more rigorous analysis than

13:19:36 **25** R-93?

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13:19:38 **1** **A.** **If you do the R-93 analysis and spend the**

13:19:47 **2** **time necessary and have the setup where the analyst**

13:19:52 **3** **is not constrained by time, has the experience, and**

13:19:57 **4** **using the system we have set up in the microscope,**

13:20:01 **5** **you should get similar results for the same sample.**

13:20:08 **6** **If you analyze the sample as typical**

13:20:12 **7** **asbestos-containing analysis -- asbestos-containing**

13:20:16 **8** **products that the R-93 was designed for and stated,**

13:20:22 **9** **your chances of fully characterizing the cosmetic**

13:20:27 **10** **talc samples is very slim.**

13:20:30 **11** **Q.** Can you point me to any published article

13:20:37 **12** or test method that talks about the necessity of a

13:20:53 **13** high-resolution camera in order to identify asbestos

13:21:00 **14** in cosmetic talc?

13:21:01 **15** **A.** **No.**

13:21:11 **16** **Q.** You're familiar with the work of

13:21:18 **17** Dr. Compton at MVA; correct?

13:21:21 **18** **A.** **I am.**

13:21:22 **19** **Q.** And some of his testing of Johnson &

13:21:27 **20** Johnson cosmetic talc shows up on your reliance list

13:21:31 **21** in this case; correct?

13:21:34 **22** **A.** **Just the ore samples.**

13:21:36 **23** **Q.** And in his testing of the ore samples he

13:21:40 **24** used TEM; correct?

13:21:41 **25** **A.** **He did.**

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13:21:41 **1** **Q.** And he didn't concentrate; correct?

13:21:44 **2** **A.** **Did not.**

13:21:44 **3** **Q.** So what's your explanation for how he is

13:21:50 **4** able -- withdrawn.

13:21:52 **5** Do you know how many grid openings

13:21:55 **6** Dr. Compton looked at as a standard matter in his

13:21:59 **7** analysis of Johnson & Johnson cosmetic talc ore?

13:22:03 **8** **A.** **I don't recall how many grid openings.**

13:22:06 **9** **Q.** But do you recall if it was less than 500?

13:22:11 **10** **A.** **I don't recall how many grid openings.**

13:22:13 **11** **Q.** Do you have an explanation for how

13:22:15 **12** Dr. Compton purports to find asbestos in Johnson &

13:22:18 **13** Johnson talc using TEM without concentration?

13:22:23 **14** **A.** **He's looking at ore samples, which is not**

13:22:29 **15** **the processed material, so I can't really compare his**

13:22:33 **16** **ore sample analysis to the milled processed materials**

13:22:39 **17** **that you find in the actual containers. So you can't**

13:22:50 **18** **compare the apples and oranges here.**

13:22:52 **19** **Q.** In some of the cases in which you testify,

13:23:19 **20** you have to put in an affidavit, is that right, about

13:23:22 **21** your opinions in the matter?

13:23:24 **22** **A.** **Yes.**

13:23:25 **23** **Q.** And do you have a paragraph in there where

13:23:27 **24** you talk about how many asbestos-containing products

13:23:33 **25** you have tested -- personally tested over the years,

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13:23:37 **1** or is it MAS generally? I can't remember.

13:23:40 **2** MR. CIRSCH: Object to form.

13:23:40 **3** THE WITNESS: I don't know. I'd have to

13:23:42 **4** look at the affidavit.

13:23:45 **5** Q. (By Mr. Ewald) Separate from the

13:23:46 **6** affidavit, do you have an estimate about how many

13:23:49 **7** products you have personally tested for the presence

13:23:52 **8** of asbestos over your career?

13:23:57 **9** A. **That I've personally tested?**

13:23:59 **10** Q. Personally tested.

13:24:00 **11** A. **Over my career?**

13:24:02 **12** Q. Yes.

13:24:06 **13** A. **Thousands.**

13:24:07 **14** Q. And how many of those occasions involved

13:24:11 **15** you analyzing the sample using PLM?

13:24:17 **16** A. **Not any, that I'm aware of. Those would**

13:24:23 **17** **all be TEM analysis.**

13:24:28 **18** Q. **Have you ever personally analyzed a sample**

13:24:38 **19** **for the presence of asbestos using PLM?**

13:24:41 **20** A. **From start to finish? No.**

13:24:44 **21** Q. What training, if any, do you have with

13:24:49 **22** respect to using PLM to analyze samples for the

13:24:54 **23** presence of asbestos?

13:24:55 **24** A. **I mean, besides understanding the**

13:25:01 **25** **procedure that's used and why you do the different --**
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13:25:04 **1** **how you gather the information for their refractive**

13:25:07 **2** **indices, the elongation, the dispersion staining, the**

13:25:13 **3** **procedure that's used and periodically will be asked**

13:25:18 **4** **by one of the analysts to take a look at this, what**

13:25:22 **5** **do you think, but I don't routinely -- I don't do PLM**

13:25:25 **6** **analysis.**

13:25:26 **7** Q. How did you obtain the knowledge that you

13:25:32 **8** do have with respect to PLM?

13:25:33 **9** A. **Well, over the years as a materials**

13:25:36 **10** **scientist, optical microscopy is one of the**

13:25:39 **11** **techniques that I have used to look at and identify**

13:25:45 **12** **things of interest, and as a PhD in materials science**

13:25:50 **13** **and as somebody who has used optical microscopes**

13:25:57 **14** **routinely and polarized light for looking at, I**

13:25:59 **15** **understand the principles of how it's done. I guess**

13:26:01 **16** **that's what PhDs do.**

13:26:03 **17** Q. For the PLM testing for this January 2019

13:26:09 **18** report, do you have an understanding of what the

13:26:12 **19** analyst did to differentiate between

13:26:18 **20** tremolite/actinolite on one hand and anthophyllite on

13:26:21 **21** the other?

13:26:23 **22** A. **The refractive indices, the extinction**

13:26:27 **23** **angle, which anthophyllite will go extinct parallel,**

13:26:31 **24** **depending on where the fibers are perpendicular,**

13:26:34 **25** **where tremolite/actinolite is oblique, and under**
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13:26:38 **1** **dispersion staining you can have differentiation in**

13:26:41 **2** **the color that you're seeing under dispersion**

13:26:48 **3** **staining, the intensities of the golds, sort of the**

13:26:53 **4** **gold to bluish and the extinction angle, as well as**

13:26:59 **5** **looking at the refractive indices, determination in**

13:27:05 **6** **the 1.605 refractive indices fluid.**

13:27:10 **7** Q. Do you know whether tremolite and

13:27:14 **8** actinolite have can have a low extinction angle?

13:27:19 **9** A. **Well, it has an oblique extinction angle**

13:27:22 **10** **off of 90 degrees. It can be anywhere from 2 to**

13:27:24 **11** **3 degrees, 4 degrees, up to 10 to 15 degrees. And**

13:27:27 **12** **that's the primary -- and anthophyllite is typically**

13:27:32 **13** **parallel extension.**

13:27:39 **14** Q. The report talks about using -- and you

13:27:41 **15** just referenced it -- a 1.605 refractive indices; is

13:27:48 **16** that correct?

13:27:48 **17** A. **The RI fluid is 1.605.**

13:27:53 **18** Q. And did your analyst in doing the PLM test

13:27:59 **19** for this January 2019 report use any other dispersion

13:28:07 **20** liquids?

13:28:08 **21** A. **Refractive indices liquids, no.**

13:28:12 **22** Q. Do you know whether your lab has any other

13:28:18 **23** refractive indices liquids available?

13:28:21 **24** A. **We have them all. When I say that,**

13:28:24 **25** **occasionally they'll use the 1.55 to verify the**
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13:28:27 **1** **fibrous talc. We have them all. We have a big set**

13:28:30 **2** **of them.**

13:28:30 **3** Q. Do you know whether your analyst for the

13:28:36 **4** work done in this January 2019 report used the 1.550

13:28:45 **5** refractive index for any sample they looked at?

13:28:48 **6** A. **I don't know, but I'm just saying**

13:28:50 **7** **occasionally the analyst will do that.**

13:28:51 **8** Q. How would we know whether or not the

13:28:54 **9** analyst did that?

13:28:54 **10** A. **If you go through all the PLM analyses,**

13:28:57 **11** **usually when there's other things besides asbestos,**

13:29:01 **12** **occasionally you might see the 1.55 for fibrous talc.**

13:29:05 **13** **I don't know if that happened here or not, but I know**

13:29:08 **14** **in other cosmetic talc manufacturers, products where**

13:29:18 **15** **we've analyzed, that had shown up. But for the**

13:29:20 **16** **amphiboles, it's 1.605.**

13:29:59 **17** Q. Okay. Let's go back to the report. And

13:30:08 **18** page 23 -- I'll let you make a note about that --

13:30:25 **19** MR. CIRSCH: You can keep that.

13:30:27 **20** THE WITNESS: Hopefully I won't have to

13:30:29 **21** use it anymore. Golly.

13:30:31 **22** Q. (By Mr. Ewald) So from 23 to page 25 of

13:30:42 **23** your January 2019 report, you have a discussion in a

13:30:48 **24** section entitled Crystalline Habit an Asbestiform

13:30:49 **25** Definitions; do you see that?
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13:30:51 **1 A. I do.**
 13:30:52 **2 Q.** And I'm not here to point out typos, but
 13:30:55 **3** is that supposed to be "and" in the title?
 13:30:58 **4 A. Yes.**
 13:31:00 **5 Q.** Trying to help you.
 13:31:05 **6 A. Where are my English majors? I even know**
 13:31:09 **7 that.**
 13:31:09 **8 Q.** Now, in the very end of that little
 13:31:14 **9** section on page 25 you cite in footnote 23 to the
 13:31:21 **10** Manual of Mineralogy, 21st Edition, revised, Cornelius
 13:31:28 **11** Klein and Cornelius S. Hurlbut and -- well, first of
 13:31:33 **12** all, you cite to that; correct?
 13:31:35 **13 A. Yes.**
 13:31:36 **14 Q.** And in some previous depositions and
 13:31:39 **15** testimony you I believe have pointed that out as some
 13:31:44 **16** support for your definition currently of what
 13:31:47 **17** asbestiform is; correct?
 13:31:49 **18 A. What a crystalline habit is, and in that**
 13:31:55 **19 crystalline habit in that book -- and I think it's**
 13:31:57 **20 page 240-something, it shows you the different**
 13:32:03 **21 crystalline habits, and in that habit is fibrous,**
 13:32:05 **22 like asbestos.**
 13:32:07 **23 The asbestiform definition I use is that**
 13:32:11 **24 if it is fibrous and it's asbestos, it is**
 13:32:15 **25 asbestiform. I do not use Ann Wylie's definition**
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13:32:18 **1 because it's sort of meaningless in these types of**
 13:32:23 **2 analyses.**
 13:32:27 **3 MR. EWALD:** Let's look at the Manual of
 13:32:33 **4** Mineralogy that was just referenced.
 13:32:34 **5** Mark this as Exhibit 6, please.
 13:32:39 **6** (Defendant's Exhibit 6 was marked for
 13:32:51 **7** identification.)
 13:32:51 **8 Q.** (By Mr. Ewald) First of all, is this the
 13:32:57 **9** book that is referenced in Exhibit 23?
 13:33:00 **10 A. It is.**
 13:33:00 **11 Q.** And for the record, I have not provided
 13:33:04 **12** Dr. Longo with the entire manual. I have provided
 13:33:07 **13** him with the entirety of Chapter 6, which is called
 13:33:11 **14** Physical Properties of Minerals.
 13:33:24 **15 A. Okay.**
 13:33:25 **16 Q.** Now, can you identify, Dr. Longo, what
 13:33:27 **17** from this manual you are relying on for your opinions
 13:33:31 **18** in this case.
 13:33:31 **19 A. Well, if you go to the very first section,**
 13:33:38 **20 Crystal Habits and Aggregates, and they go through**
 13:33:43 **21 different types. And if you go to the pictures on**
 13:33:48 **22 page 251, which is the same thing in Campbell, it**
 13:33:52 **23 gives you the different types of crystalline habits**
 13:33:58 **24 that crystalline minerals will be presented in, from**
 13:34:03 **25 the top, massive and granular, then you have fibrous**
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13:34:07 **1 as asbestos, and then you have things like dendritic**
 13:34:11 **2 or geode or colloform.**
 13:34:16 **3 And it gives you the different geometrical**
 13:34:20 **4 structures that crystallines can form in, depending**
 13:34:25 **5 on the chemistry of the mineral and where it was**
 13:34:28 **6 formed. And that's a crystalline habit. It's just**
 13:34:32 **7 the geometrical shape of the particular minerals**
 13:34:34 **8 they're presented in when they're dug out of the**
 13:34:36 **9 ground.**
 13:34:44 **10 Q.** Is there any other aspect of this manual
 13:34:52 **11** that you rely on for your opinions regarding
 13:34:56 **12** crystalline habit, fibrous, and asbestiform?
 13:34:59 **13 A. No.**
 13:35:00 **14 Q.** Okay. Now, in the deposition that
 13:35:14 **15** happened a week ago, I believe you also made
 13:35:21 **16** reference in discussion about crystalline habit and
 13:35:25 **17** asbestiform, the Campbell 1977 article; is that
 13:35:28 **18** correct?
 13:35:28 **19 A. The crystalline habit.**
 13:35:45 **20** MR. EWALD: Let's mark this as Exhibit 7.
 13:35:47 **21** (Defendant's Exhibit 7 was marked for
 13:36:07 **22** identification.)
 13:36:07 **23 Q.** (By Mr. Ewald) And we marked as
 13:36:09 **24** Exhibit 7, Doctor, the Bureau of Mines Information
 13:36:12 **25** Circular/1977, Selected Silicate Minerals and Their
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13:36:19 **1** Asbestiform Varieties.
 13:36:19 **2** Am I correct that this document is also
 13:36:25 **3** listed in your report as something that you rely on?
 13:36:28 **4 A. It is.**
 13:36:29 **5 Q.** Now, can you please identify within what
 13:36:41 **6** has been marked as Exhibit 7 you rely on for the
 13:36:45 **7** crystalline habit.
 13:36:46 **8 A. If you look at page 24, Figure 21.**
 13:37:05 **9 Q.** Yes?
 13:37:06 **10 A. You see some of the same types of**
 13:37:09 **11 drawings: columnar, lamellar, massive, bladed, platy.**
 13:37:16 **12 Some of the same types of drawings, not as eloquent**
 13:37:20 **13 as in Manual of Mineralogy but same sort of --**
 13:37:23 **14 Q.** I don't know why you're insulting
 13:37:26 **15** Dr. Campbell.
 13:37:26 **16 A. I am not.**
 13:37:27 **17 Q.** Anyway, go ahead, I'm sorry.
 13:37:28 **18 A. This was done by Dr. Campbell. It is very**
 13:37:32 **19 good. It would be much better than me.**
 13:37:35 **20 Q.** Anyway, I apologize for the interruption.
 13:37:37 **21** Continue.
 13:37:37 **22 A. So you can see some of the same sort of**
 13:37:40 **23 structures they're talking about: bladed, platy,**
 13:37:43 **24 lamellar, massive. They don't really have --**
 13:37:51 **25 radiating more than dendritic, reticulated. So it's**
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14:35:13 1 **Shin group.**

14:35:15 2 **Q.** And then you did not -- well, strike that.

14:35:18 3 Do you have an understanding of when

14:35:19 4 Imerys first began to supply talc for Johnson &

14:35:27 5 Johnson Baby Powder?

14:35:27 6 **A. Other than what's in Johnson & Johnson's**

14:35:33 7 **interrogatories, which has this -- where it was**

14:35:41 8 **coming from Vermont, and what they state they got it,**

14:35:44 9 **I don't remember off the top of my head the exact**

14:35:46 10 **years that Imerys started supplying it.**

14:35:49 11 **Q.** All right. You've made no attempt to

14:35:51 12 calculate a percentage of positive asbestos samples

14:35:54 13 that were supplied by Imerys versus all of them,

14:35:59 14 nothing like that, have you?

14:36:00 15 **MR. CIRSCH:** Object to form.

14:36:00 16 **THE WITNESS:** No.

14:36:02 17 **Q.** (By Mr. Prost) You mentioned in the 15

14:36:04 18 railroad car samples that there was a percentage of

14:36:08 19 positive findings of asbestos, and it looked like it

14:36:11 20 was a bit lower than all of the samples you studied.

14:36:20 21 **A. For just the Imerys samples, that's**

14:36:22 22 **correct.**

14:36:22 23 **Q.** And do you have any explanation why the

14:36:25 24 Imerys samples would be lower than the finished

14:36:28 25 product samples that you've tested?

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14:36:32 1 **MR. CIRSCH:** Object to form.

14:36:34 2 **THE WITNESS:** Let's see. Eight out of 15,

14:37:15 3 that's 50-something. That's slightly lower.

14:37:20 4 And on a population of 15 samples versus 56 or

14:37:27 5 57 containers, I'm not sure that's enough

14:37:30 6 difference in samples spread to say one's lower

14:37:33 7 than the other yet. But if you just do the

14:37:37 8 math, I would agree; it's slightly lower.

14:37:41 9 **MR. PROST:** It's already 2:38, so I'm

14:37:43 10 going to go ahead and stop now but reserve the

14:37:46 11 right to ask some more questions.

14:37:59 12 **MR. EWALD:** We are breaking for the day,

14:38:01 13 and we'll resume at some later identified date.

14:38:12 14 (Deposition adjourned at 2:38 p.m.)

14:38:21 15 (Pursuant to Rule 30(e) of the Federal

16 Rules of Civil Procedure and/or OCGA 9-11-30(e),

17 signature of the witness has been reserved.)

18 (Original transcript sent to Shook,

19 Hardy & Bacon, LLP.)

20

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1 **C E R T I F I C A T E**

2

3 **STATE OF GEORGIA:**

4 **COUNTY OF GWINNETT:**

5

6 I hereby certify that the foregoing

7 transcript was taken down, as stated in the

8 caption, and the questions and answers thereto

9 were reduced to typewriting under my direction;

10 that the foregoing pages 1 through 126 represent

11 a true, complete, and correct transcript of the

12 evidence given upon said hearing, and I further

13 certify that I am not of kin or counsel to the

14 parties in the case; am not in the regular

15 employ of counsel for any of said parties; nor

16 am I in anywise interested in the result of said

17 case.

18 This, the 26th day of January 2019.

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21 **DEBRA R. LUTHER, B-881**

22 Georgia Certified Court Reporter

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1 **C O U R T R E P O R T E R D I S C L O S U R E**

2

3 Pursuant to Article 10.B. of the Rules and

4 Regulations of the Board of Court Reporting of the

5 Judicial Council of Georgia which states: "Each court

6 reporter shall tender a disclosure form at the time

7 of the taking of the deposition stating the

8 arrangements made for the reporting services of the

9 certified court reporter, by the certified court

10 reporter, the court reporter's employer, or the

11 referral source for the deposition, with any party to

12 the litigation, counsel to the parties or other

13 entity. Such form shall be attached to the

14 deposition transcript," I make the following

15 disclosure:

16 I am a Georgia Certified Court Reporter. I am

17 here as a representative of Atlanta Reporters, Inc.

18 Atlanta Reporters was contacted by Shook, Hardy &

19 Bacon, LLP, to provide court reporting services for

20 the deposition. Atlanta Reporters will not be taking

21 this deposition under any contract that is prohibited

22 by OCGA 15-14-37(a) and (b).

23

24 Atlanta Reporters has no contract/agreement to

25 provide reporting services with any party to the

case, any counsel in the case, or any reporter or

reporting agency from whom a referral might have been

made to cover this deposition. Atlanta Reporters

will charge its usual and customary rates to all

parties in the case, and a financial discount will

not be given to any party to this litigation.

20

21 **DEBRA R. LUTHER, B-881**

22 Georgia Certified Court Reporter

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1 DEPOSITION OF WILLIAM E. LONGO, PhD /DRL

2 I do hereby certify that I have read all
3 questions propounded to me and all answers given by
4 me on the 25th day of January 2019, taken before
5 Debra R. Luther, and that:

- 6 _____ 1) There are no changes noted.
7 _____ 2) The following changes are noted:

8 Pursuant to Rule 30(e) of the Federal Rules of
9 Civil Procedure and/or the Official Code of Georgia
10 Annotated 9-11-30(e), both of which read in part:
11 Any changes in form or substance which you desire to
12 make shall be entered upon the deposition...with a
13 statement of the reasons given...for making them.
14 Accordingly, to assist you in effecting corrections,
15 please use the form below:

16 Page No. _____ Line No. _____ should read: _____

17 Page No. _____ Line No. _____ should read: _____

18 Page No. _____ Line No. _____ should read: _____

19 Page No. _____ Line No. _____ should read: _____

20 Page No. _____ Line No. _____ should read: _____

21 Page No. _____ Line No. _____ should read: _____

22 Page No. _____ Line No. _____ should read: _____

23 Page No. _____ Line No. _____ should read: _____

24 Page No. _____ Line No. _____ should read: _____

25 Page No. _____ Line No. _____ should read: _____

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1 DEPOSITION OF WILLIAM E. LONGO, PhD /DRL

2 Page No. _____ Line No. _____ should read: _____

3 Page No. _____ Line No. _____ should read: _____

4 Page No. _____ Line No. _____ should read: _____

5 Page No. _____ Line No. _____ should read: _____

6 Page No. _____ Line No. _____ should read: _____

7 Page No. _____ Line No. _____ should read: _____

8 Page No. _____ Line No. _____ should read: _____

9 Page No. _____ Line No. _____ should read: _____

10 Page No. _____ Line No. _____ should read: _____

11 Page No. _____ Line No. _____ should read: _____

12 Page No. _____ Line No. _____ should read: _____

13 Page No. _____ Line No. _____ should read: _____

14 If supplemental or additional pages are necessary,
15 please furnish same in typewriting annexed to this
16 deposition.

17

18 WILLIAM E. LONGO, PhD

19 Sworn to and subscribed before me,

20 This, the _____ day of _____, 20____.

21

22 Notary Public
23 My commission expires: _____
24
25

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